B3 cont'd

Xmn I, Dra I, Nsi I, Ppul0 I, Acc65 I, Ban I, Kpn I, Bsp1407 I, Spe 1, BspD I, Cla I, Hinf I, Tfi I, Avr II, Drd 1, Esp3 I, Bpm I, PflM I, Bsm I, Alu I, BceF I, Bgl II, BstY I, ApaL I, Age I, BsrF I, Nsp I, Nsp7524 I, NspC I, as located in figures 19, 20 and 21."

B4

On page 10, lines 22-23, please substitute:

B4 Sub D2

"Figures 19, 20 and 21 illustrate the restriction map of SEQ ID NO: 13 (all sites: figure 19; unique sites only: figure 20 and figure 21)."

On page 32, lines 10-14, please substitute:

B5

"In view to obtain the instant non-adrenergic receptor including SEQ ID NO. 1 or NO. 14, plasmid DNA containing human clone designated 72FO5 (EMBL accession no. z28655) (Auffray C. et al., 1995), including the corresponding coding sequence of SEQ ID NO. 5 was obtained from Genethon, France and was used for preparing probes useful for hybridization assays."

On page 35, lines 13-17, please substitute:

B6 Sub D7

"DNA sequencing data showed a continuous open reading frame (SEQ ID NO. 2 or NO. 14), translation into protein sequence (SEQ ID NO: 1 or NO. 13) showed several hydrophobic stretches (figure 23), suggesting that these regions are putative membrane spanning parts of the protein. The sequences corresponding to said hydrophobic stretches are highlighted (boxes) in figure 24."

In the Claims:

Please cancel claims 24 and 27 without prejudice or disclaimer.

Please amend the following claims as follows:

B7 Sub D9

22. (Once Amended) Substantially pure mammal non-adrenergic receptor polypeptide comprising sites such that when said sites are exposed at the surface of a cell, they are capable of binding iodocyanopindolol (ICYP) under blockade of α, β1, β2, β3-AR, serotonine 5-HT_{1A} and

serotonine 5-HT_{1B} receptors, said binding being saturable, reversible, able to be displaced by a β- adrenergic receptor agonist SM-11044 with stereoselectivity but not by isoproterenol, norepinephine, epinephrine, serotonine, dopamine or BRL-37344, and not being blocked by propranolol, said polypeptide (1) having an apparent molecular weight of about 30-40 kDa when labeled with ^{125}I-iodocyanopindolol after photoaffinity labeling and separation by electrophoresis and an apparent molecular weight of about 60-80 kDa in Western blot, and (2) generating a fragment having the following formula $DPX_1FFQHRIHX_2FSIFNX_3$ by acidic cleavage, wherein X_1 represents S (SEQ ID No. 5) or X (SEQ ID No. 6), X_2 represents V (SEQ ID No 6) or W (SEQ ID No. 5) and X_3 represents S (SEQ ID No. 5) or H (SEQ ID No. 6)

23. (Once Amended) The polypeptide according to claim 22 comprising SEQ ID NO. 1 or SEQ ID NO. 14.

24. Canceled

25. (Once Amended) An isolated and purified nucleic acid sequence encoding a mammalian receptor as claimed in claim 22.

26. (Once Amended) The isolated and purified nucleic acid sequence of claim 25 comprising SEQ ID NO. 2 or SEQ ID NO. 13.

27. Canceled

28. (Once Amended) The purified nucleic acid sequence according to claim 25, which hybridizes with a nucleic acid comprising SEQ ID No. 3 or SEQ ID No. 4.

Please add claims 47-48 as follows:

47. An isolated an purified nucleic acid molecule, which hybridizes with a nucleic acid comprising SEQ ID NO: 3 or SEQ ID NO: 4, said nucleic acid molecule encodes a polypeptide comprising sites such that when said sites are exposed at thte surface of a a cell, they are capable of binding iodocyanopindolol (ICYP) under blockade of α, β1, β2, β3-AR, serotonine 5-HT_{1A} and serotonine 5-HT_{1B} receptors, said binding being saturable, reversible, able to be displaced by a β-adrenergic receptor agonist SM-11044 with stereoselectivity but not by isoproterenol, norepinephrine, epinephrine, serotonine, dopamine or BRL-37344, and not being blocked by

B8 cont'd

propranolol, said polypeptide having an apparent molecular weight of about 30-40 kDa when labeled with ^{125} I-iodoyanopindolol after photoaffinity labeling and separation by electrophoresis and an apparent molecular weight of about 60-80 kDa in Western blot.

48. The isolated and purified polypeptide encoded by a nucleic acid molecule of claim 47.